

Item: Ultra-Low Background Gas Flow Alpha/Beta Proportional Counter

Sample Changer: Automatic 50 samples

Sample Size: 2 inch diameter planchet with depths of 1/8, 1/4, 5/16 inches

Interface: Touch screen with compatible software

Gas: Phosphorus-10, 60 cubic centimeters per min (cc/min) @ 10 pounds per square inch (psi)

Detector Size: 2.25 – 3.25 inch diameter

Data: USB Flash Drive or RS-232

Alpha/Beta background: 0.05 counts per minute (alpha) and 0.7 counts per minute (beta)

Desired Efficiency: About 40% for alpha and beta

Physical Size: Not to exceed 36 inches (height) by 36 inches (width) by 36 inches (depth)